

FASTA searches a protein or DNA sequence data bank
version 3.3t05 March 30, 2000

Please cite:

W.R. Pearson & D.J. Lipman PNAS (1988) 85:2444-2448

```
/tmp/fastaCAAygaWej: 995 aa
 >SEQ ID NO:2
 vs  /tmp/fastaDAAzgaWej library
 searching /tmp/fastaDAAzgaWej library
```

1008 residues in 1 sequences

FASTA (3.34 January 2000) function [optimized, BL50 matrix (15:-5)] ktup: 2
join: 39, opt: 27, gap-pen: -12/-2, width: 16

Scan time: 0.034

Scan time: 0:00:01
The best scores are: opt
M13699 ACCESSION:M13699 NID: qi 180255 qb M13699. (1008) 2671

```
>>M13699 ACCESSION:M13699 NID: gi 180255 gb M13699.1 HUM (1008 aa)
  initn: 1414 init1: 972 opt: 2671
Smith-Waterman score: 3980; 57.002% identity in 1014 aa overlap (1-992:1-1008)
```

	120	130	140	150	160	170
SEQ	SYHPHGLTYSKENEAHGAIYPDNTTGLQKEVEYLEPGKQYT	KWYVEEHQGPGPNDSNCV	...	...	...	...
M13699	TFHSHGITYYKEHE--GAIYPDNTTDFQRADDKVYPGEQYT	YMLLATEEQSPGEGDGNCV	...	...	...	...

	240	250	260	270	280	290
SEQ	IRAF-TESGKINTSDPRFEESMSMQSINGYIYGNLPNLTMCAEDRQWYFVGMGGVADIH	...	...	...	...	...
M13699	IKTYCSEPEKVDKDNEDFQESNRMYSVNGYTFGSLPGLSMCAEDRVKWYLFGMGNEVDVH	...	...	...	...	...

	360	370	380	390	400	410
SEQ	NCQKPSTEAFVTGTHVIHYIAAKEILWNYAPSGIDFFTKKNLTAAGSKSQLFFERSPTR					
	360	370	380	390	400	410
M13699	ECNKSSSKDNIRGKHVRHYIAAEEIINWYAPSGIDIFTKENLTAPGSDSAVFFEQGTTR					
	420	430	440	450	460	
SEQ	IGGYKKLIYREYTDASFQTQKAR---EEHLGILGPVFKAEVGQTIKITFYNNASLPLSI					
	420	430	440	450	460	470
M13699	IGGSYKKLVYREYTDASFTNRKERGPEEEHLGILGPVIWAEVGDTIRVTFHNGAYPLSI					
	470	480	490	500	510	520
SEQ	QPPGLHYNKSNEGLFYE---TPGG-STPPPSHVSPGTTFVYTWEPKDVGPTSTDPNCL					
	480	490	500	510	520	530
M13699	EPIGVRFNKNNEGTYYSPNYNPQSRSPVPPSASHVAPTTETFTYEWTVPKEVGPTNADPVCL					
	530	540	550	560	570	580
SEQ	TWFYYSSVNGKKDINSGLGPILLICRNGSLGDDGKQKGVDKEFYLLATIFDENESNLLDE					
	540	550	560	570	580	590
M13699	AKMYYSAVDPTKDIFTGLIGPMKICKKGSILHANGRQKDVKDEFYLFPTVFDENESLLLED					
	590	600	610	620	630	640
SEQ	N-RTFITEPENIDKEDTDCQASNKMYISINGYMYGNLPGLDTCLGDNVLWHVFSVGSVEDL					
	600	610	620	630	640	650
M13699	NIRMFTTAPDQVDKEDEDFQESNKMHSMNGFMYGNQGLTMCKGDSVVWYLFSAAGNEADV					
	650	660	670	680	690	700
SEQ	HGIYFSGNTFTSLGARRDTIPMFPTQSQTLLMTPDSIGTFDLVCMTIKHNLGGMKHKYHV					
	660	670	680	690	700	710
M13699	HGIYFSGNTYLWRGERRDTANLFPQTSLTLHMWPDTEGTFNVECLTTDHYTGGMKQKYTV					
	710	720	730	740	750	760
SEQ	RQCGKPNPDQTQYQEEKIIITIAAEEMEWDSPSRKWENELHHLRRRENQTSMYVDRSGTL					
	720	730	740	750	760	770
M13699	NQCRRQSEDSTFYLGERTYY-IAAVEVEWDYSPQREWEKELHHLQEONVSNAFLDKGEFY					
	770	780	790	800	810	820
SEQ	LGSKYKKVLYRQYDDNTFTNQTKRNEGEKHLIDILGPLILLNPGQIIQIIFKNKAARPYSI					
	780	790	800	810	820	830
M13699	IGSKYKKVVYRQYTDSTFRVPVERKAEEEHLGILGPQLHADVGDKVIIIFKNMATRPYSI					
	830	840	850	860	870	880
SEQ	HAHGVKTNSTVVPTQPGEIQIYTWQIPDRTGPTSLDFECIPWFYYSTVSAKDLHGLV					
	840	850	860	870	880	890
M13699	HAHGVQTESSTVTPTLPGETLTYVWKIPERSGAGTEDSACIPWAYYSTVDQVKDLYSGLI					

	890	900	910	920	930	
SEQ	GPLSVCR----KDINPN-IVHRVLHFMIFDENESWYFEDSINTYASKPNKVDKENDNFQL					
	900	910	920	930	940	950
M13699	GPLIVCRRPYLKVFNPYRKLEFALLFLVFDENESWYLDNNIKTYSDHPEKVNKDDEEFIE					
	940	950	960	970	980	990
SEQ	SNQMHAINGRLFGNNQGITFHVDVVNWYLIGIGNEADLHTVHFHGHSFSEYKHKYLI					
M13699	SNKMHAINGRMFGNLQGLTMHVGDEVNWYLMGMGNEIDLHTVHFHGHSFQYKHR					
	960	970	980	990	1000	

995 residues in 1 query sequences

1008 residues in 1 library sequences

Scomplib [version 3.3t05 March 30, 2000]

start: Wed Sep 18 11:18:07 2002 done: Wed Sep 18 11:18:08 2002

Scan time: 0.034 Display time: 1.433

Scan time: 0.054 Display time: 1.155

Function used was FASTA